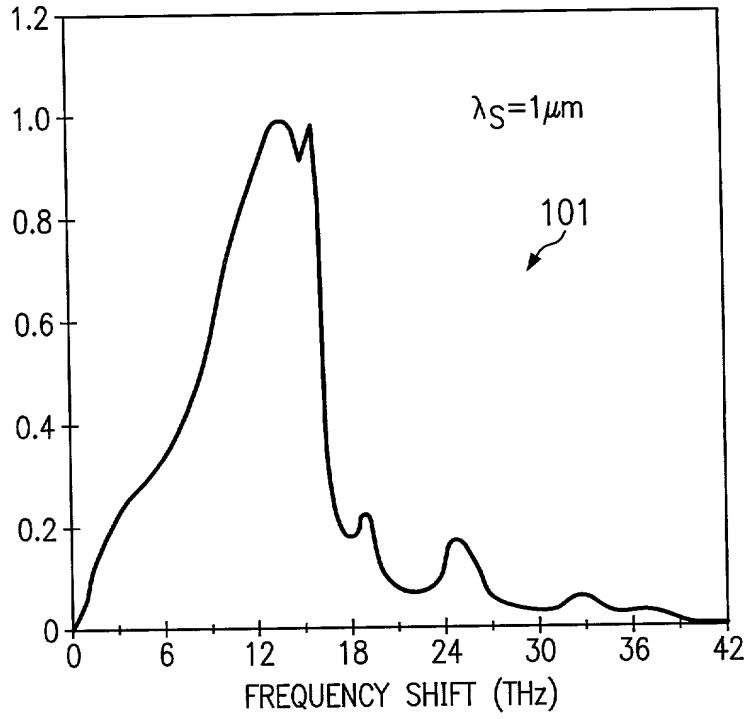

FIG. 1
(PRIOR ART)

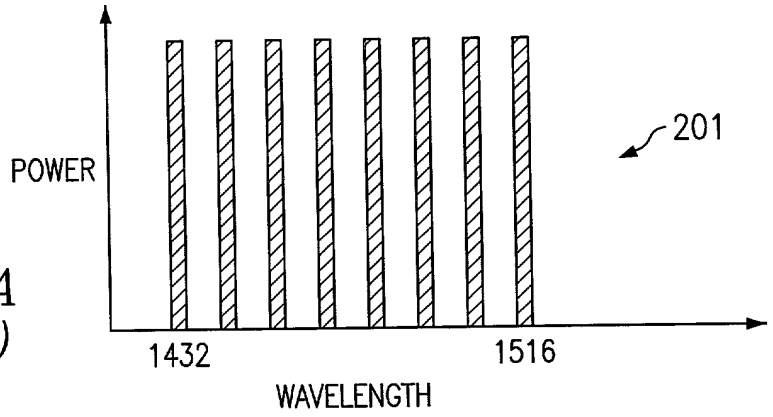

FIG. 2A
(PRIOR ART)

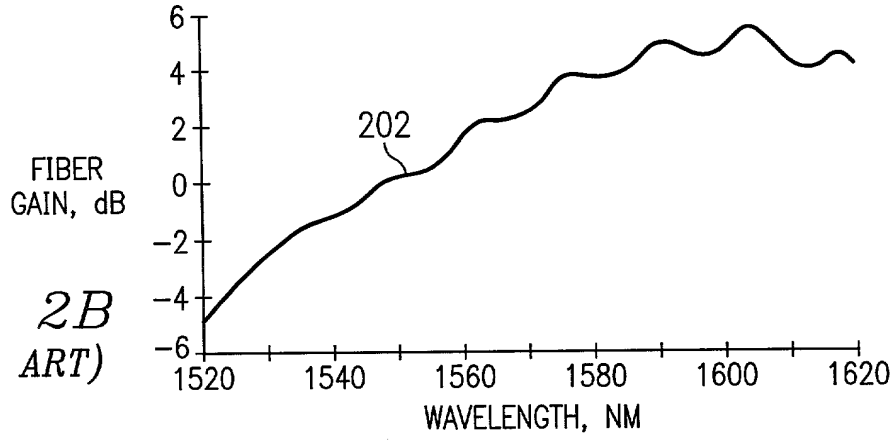

FIG. 2B
(PRIOR ART)

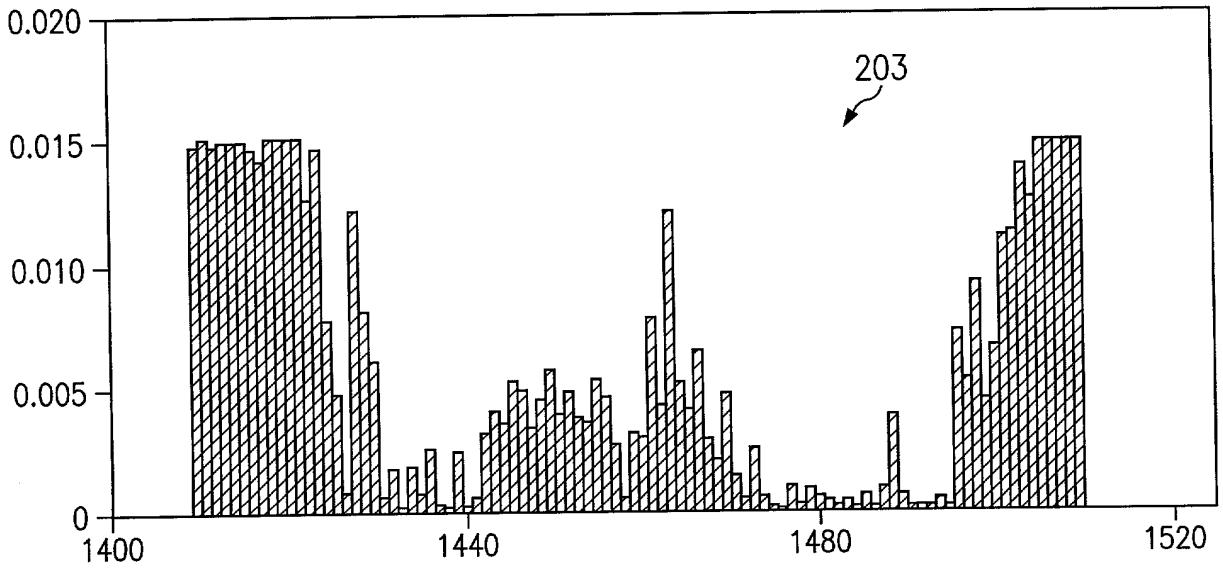
0.020
0.015
0.010
0.005
0
1400
1440
1480
1520
203

FIG. 2C

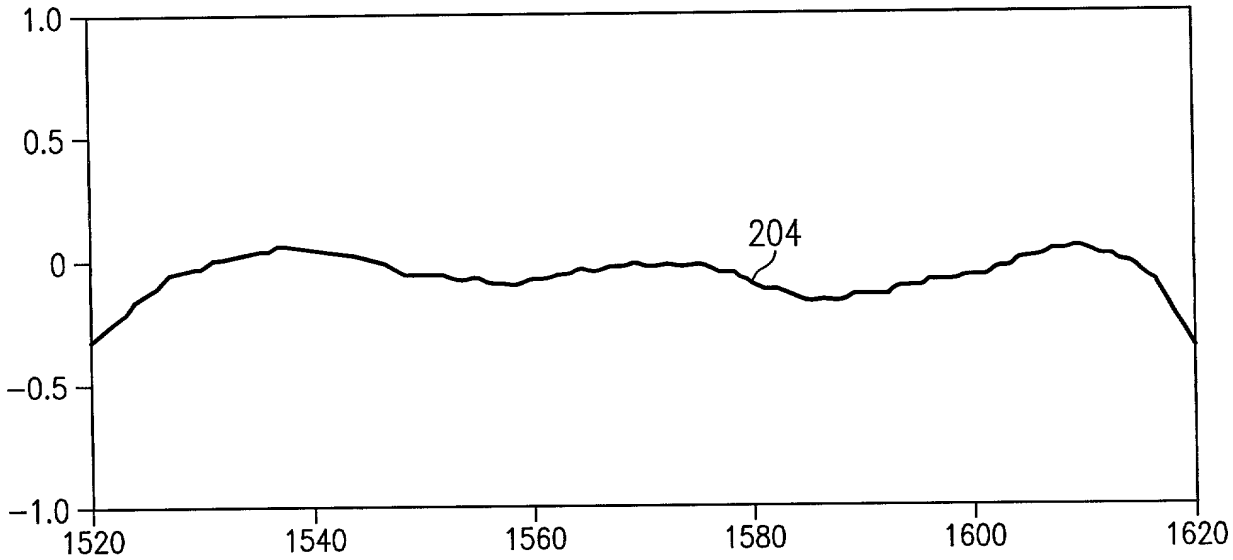
1.0
0.5
0
−0.5
−1.0
1520
1540
1560
1580
1600
1620
204

FIG. 2D

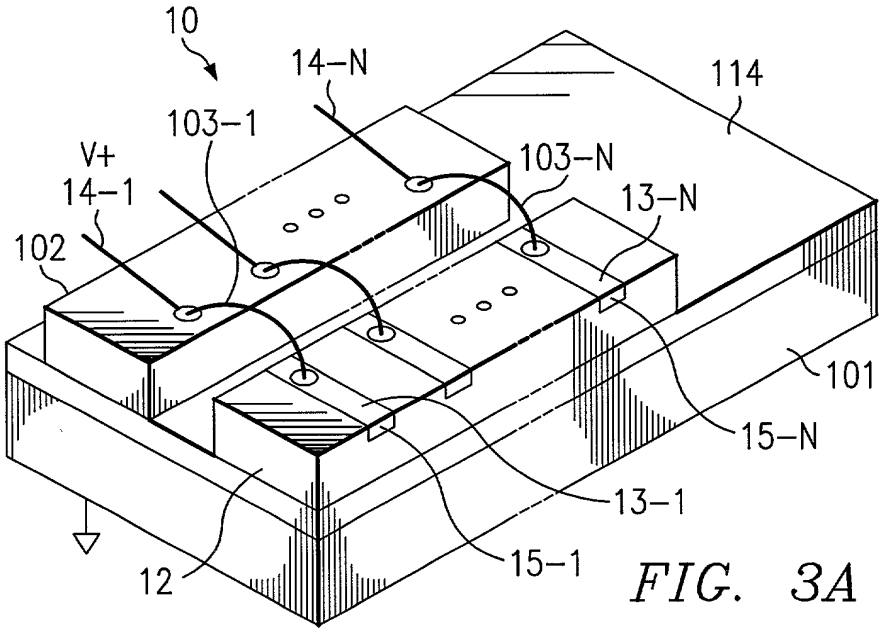
10
14-N
114
103-1
V+
14-1
103-N
13-N
102
101
15-N
13-1
15-1
12

FIG. 3A

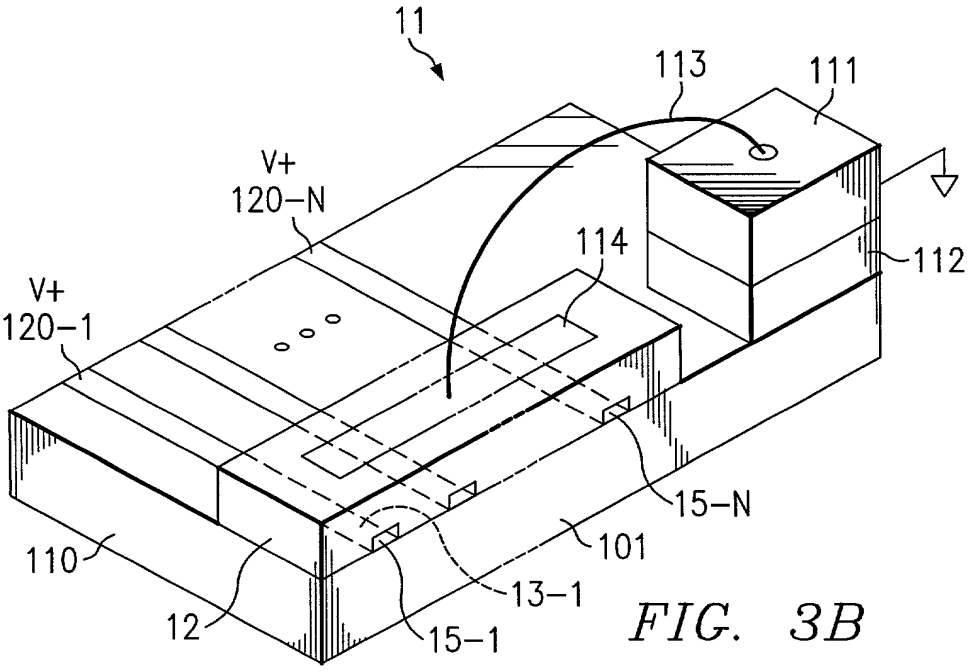
11
113
111
V+
120-N
114
112
V+
120-1
15-N
101
110
13-1
12
15-1

FIG. 3B

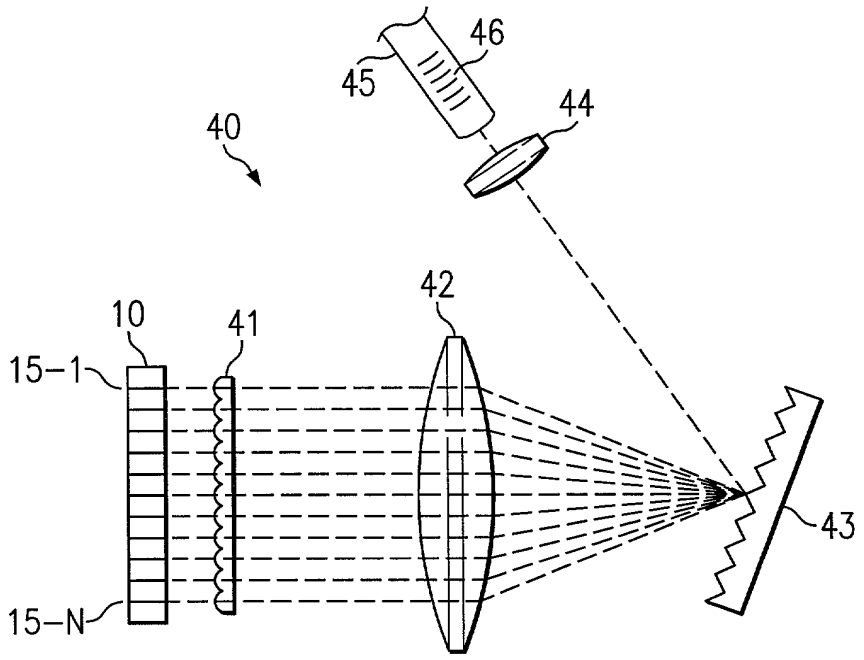
46
45
44
40
42
10
41
15-1
43
15-N

FIG. 4

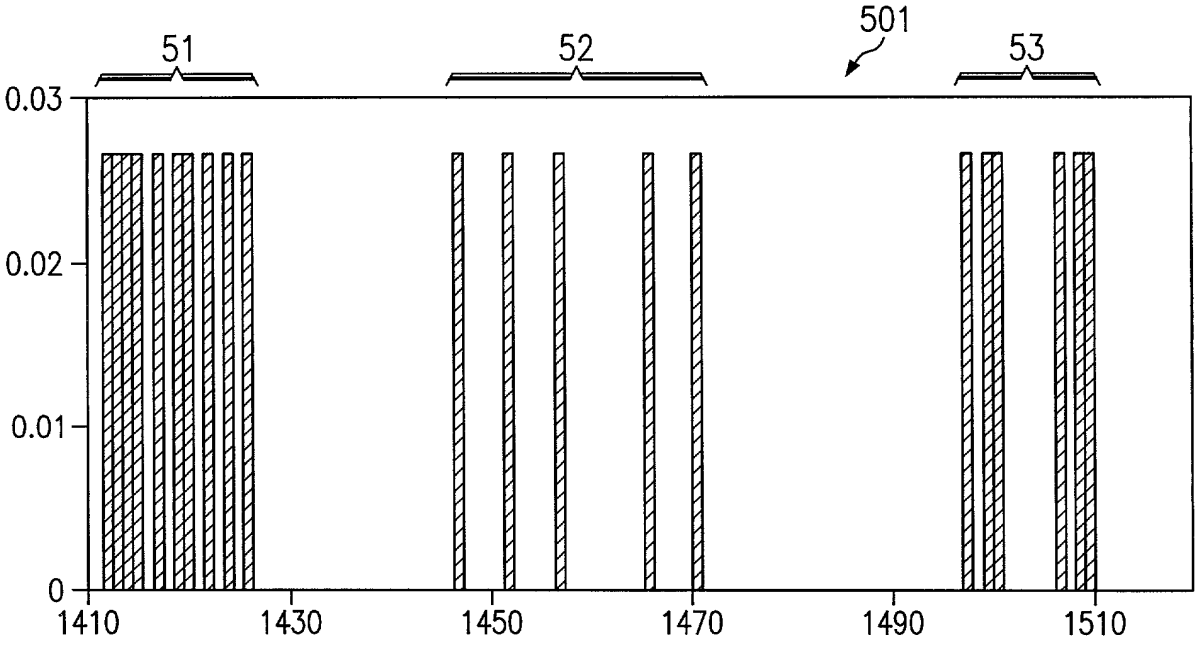
501
51
52
53
0.03
0.02
0.01
0
1410
1430
1450
1470
1490
1510

FIG. 5A

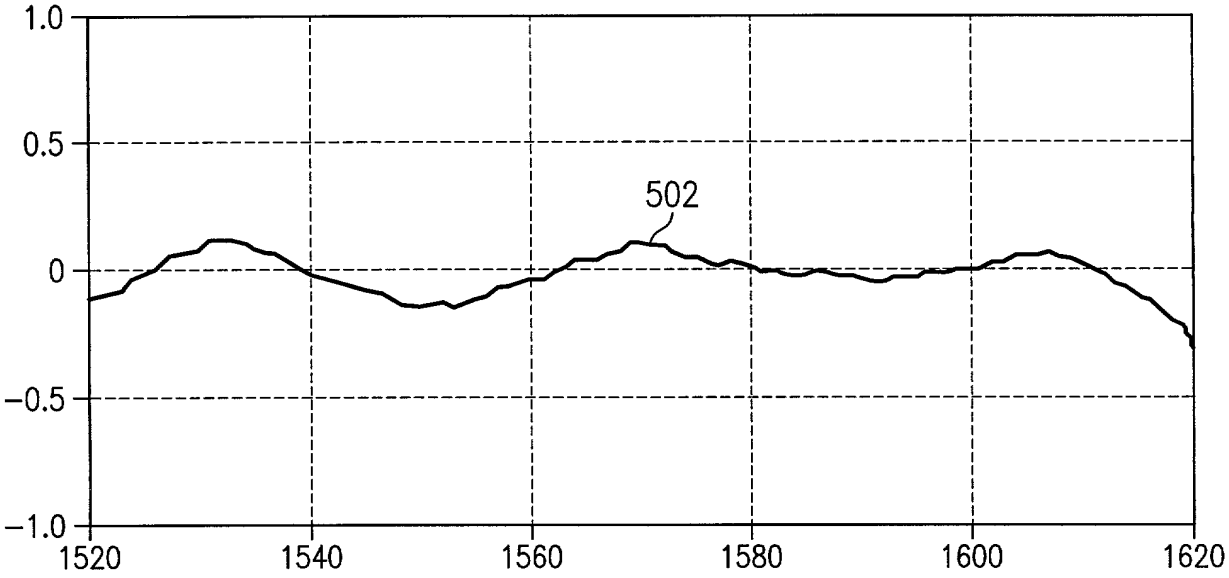
1.0
0.5
0
−0.5
−1.0
1520
1540
1560
1580
1600
1620
502

FIG. 5B

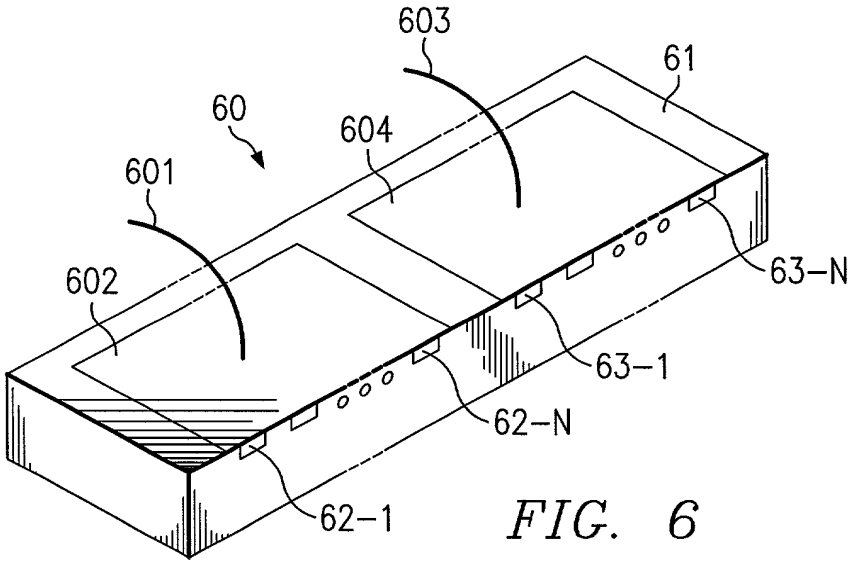
603
61
60
604
601
602
63-N
63-1
62-N
62-1

FIG. 6

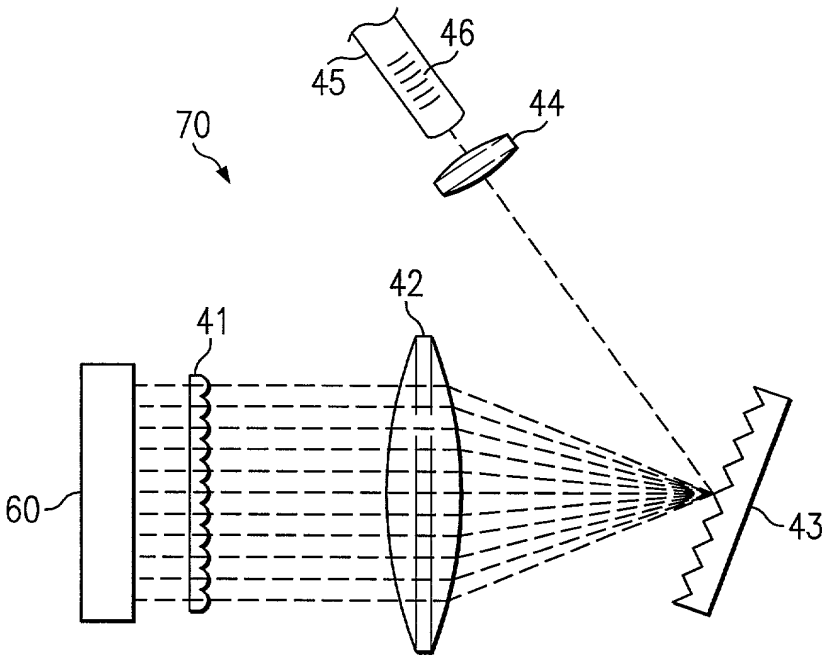
46
45
44
70
42
41
60
43

FIG. 7

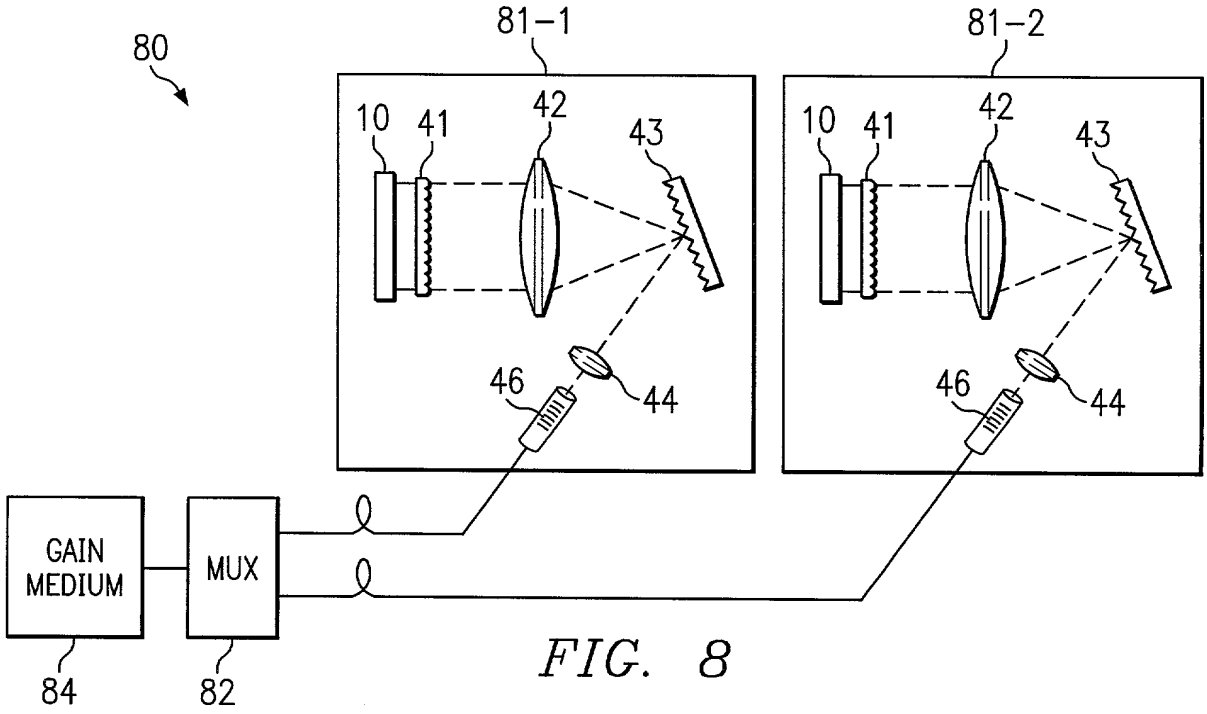
80
81-1
81-2
10
41
42
43
46
44
GAIN MEDIUM
MUX
84
82

FIG. 8

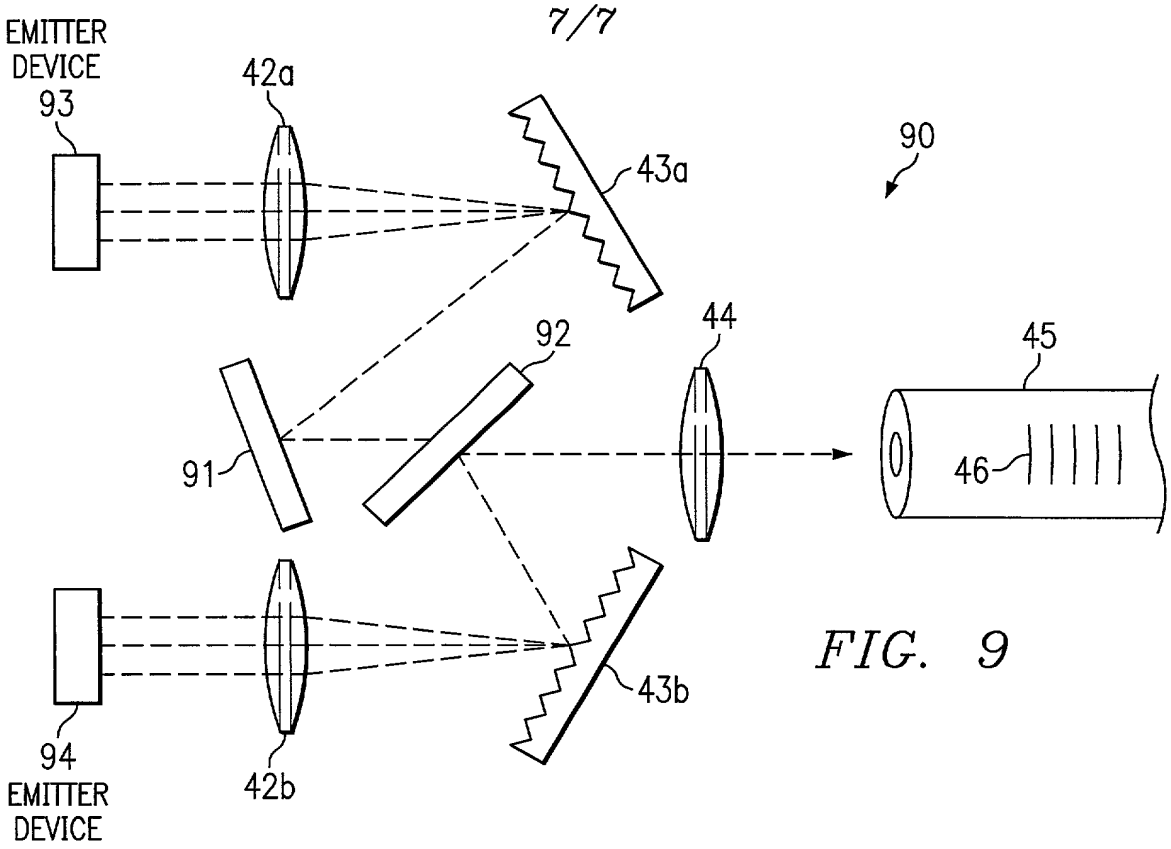

FIG. 9

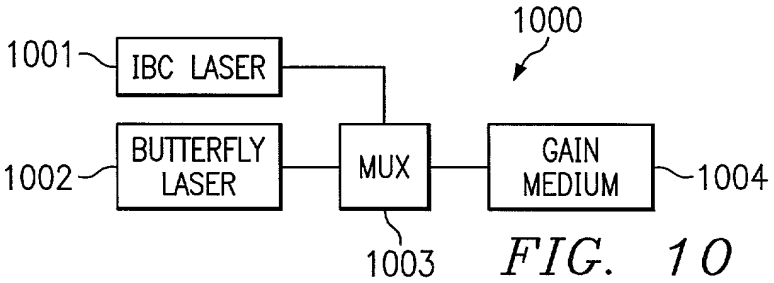

FIG. 10

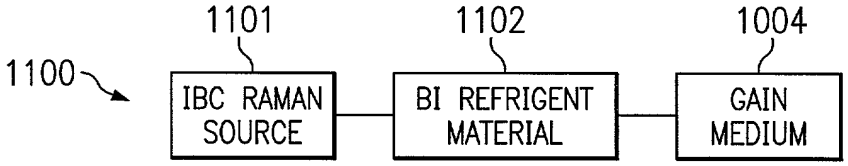

FIG. 11

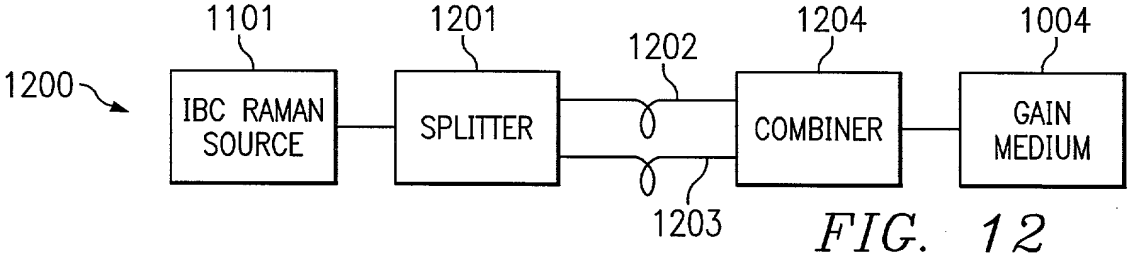

FIG. 12